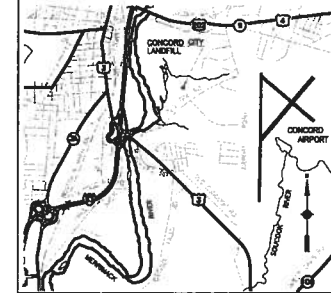


CONCORD MUNICIPAL AIRPORT

CONCORD, NEW HAMPSHIRE

ALP UPDATE



FEDERAL - STATE GRANT NO. SBG-04-05-2010

AIRPORT ENVIRONMENTAL ASSESSMENT

INDEX TO DRAWINGS

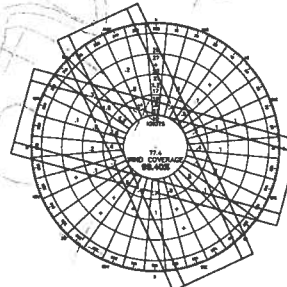
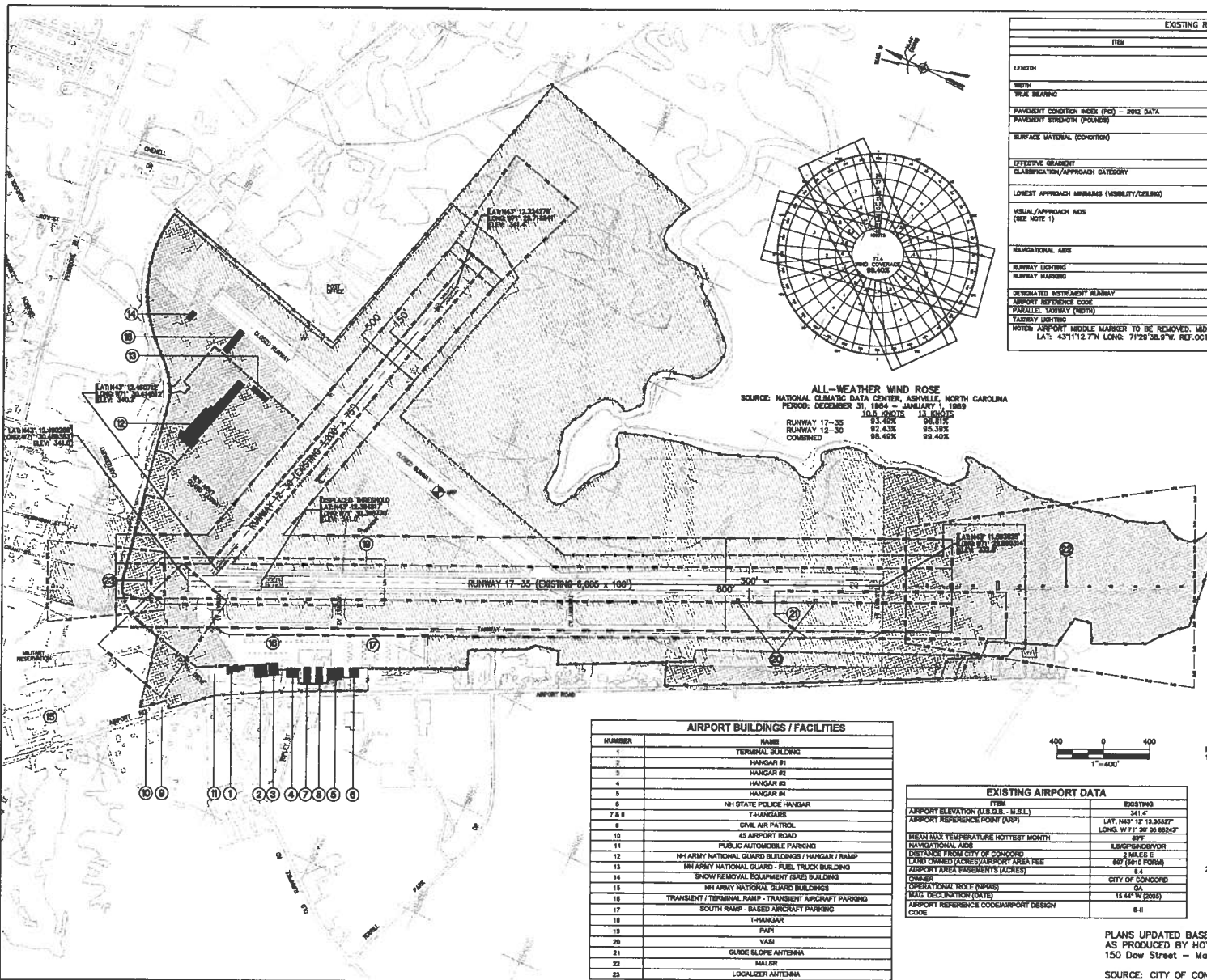
1. TITLE SHEET
2. EXISTING AIRPORT LAYOUT PLAN
3. ULTIMATE AIRPORT LAYOUT PLAN
4. DATA SHEET
5. TOPOGRAPHIC PLAN
6. TERMINAL AREA PLAN
7. RUNWAY 12-30 PLAN & PROFILE
8. RUNWAY 17-35 PLAN & PROFILE
9. FAR PART 77 AIRSPACE SURFACES
10. LAND USE AND NOISE CONTOUR PLAN
11. SIGN PLAN
12. ALP PROPERTY MAP

JULY 2013

PLANS UPDATED BASED ON 2006 MASTER PLAN,
AS PRODUCED BY HOYLE TANNER ASSOCIATES MAY 2006,
150 Dow Street - Manchester, NH 03101-1227

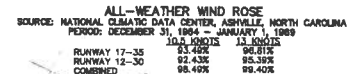
SOURCE: CITY OF CONCORD

PROJECT DESIGNER JACOBS		2 Executive Park Drive Bedford, MA 03110 Tel: (603) 886-1911 Fax: (603) 886-1715	
CONCORD MUNICIPAL AIRPORT AIRPORT LAYOUT PLAN UPDATE		TITLE SHEET	
REVISIONS NO. DATE DESCRIPTION BY		SCALE: N.T.S.	
PROJECT NO. E2248000		DATE: JULY 2013	
FILE NO. 01-COVER/TITLE		DRAWN BY: JMM	
DRAWING NO. 1		CHECKED BY: JMM	
SHEET 1 OF 12		DATE: JULY 2013	



EXISTING RUNWAY DATA			
ITEM		RUNWAY 17-35	RUNWAY 13-30
		EXISTING	EXISTING
LENGTH		8000' with a 640'-feet displacement threshold on the runway 17 end	3300'
WIDTH		100'	75'
TRUE BEARING		RWY 17: 150° RWY 35: 330°	RWY 13: 105° RWY 30: 285°
PAVEMENT CONDITION INDEX (PCI) - 2013 DATA		78	78
PAVEMENT STRENGTH (FOUR-GE)		SIL - 41,000 FAT - 80,000 ASPHALT (20000)	SIL - 30,000 N/A ASPHALT (20000)
SURFACE MATERIAL (CONDITION)		CONSTRUCTED - 1938/1938 RECONSTRUCTED IN 1990	CONSTRUCTED - 1938/1938 RECONSTRUCTED IN 2002
EFFECTIVE GRADIENT		5.13%	6.07%
CLASSIFICATION/APPROACH CATEGORY		RWY 17: HIGH-PRECISION RWY 35: PRECISION	RWY 13: HIGH-PRECISION RWY 30: VISUAL
LOWEST APPROACH AIRSPEED (VELOCITY/DEGREE)		ON RWY 4: VLS NOT LOWER THAN 173-KIAS RWY 17: 173-KIAS	ON RWY 4: VLS NOT LOWER THAN 173-KIAS RWY 13: 173-KIAS
VISUAL/APPROACH AIDS (SEE NOTE 1)		RWY 17: 4-LIGHT BAR ON LEFT, W MIDDLE ON LEFT RWY 35: 4-LIGHT VASI ON LEFT, ON MIDDLE	RWY 13: 4-LIGHT BAR ON RIGHT RWY 30: NONE
NAVIGATIONAL AIDS		RWY 17: GPS RWY 35: ILS, VOR & GPS	RWY 13: VOR OR GPS RWY 30: NONE
SURFACE LIGHTING		ILS	ILS
RUNWAY MARKINGS		RWY 17: HIGH-PRECISION RWY 35: PRECISION	RWY 13: HIGH-PRECISION RWY 30: VISUAL
DESIGNATED INSTRUMENT RUNWAY		35	30
AIRPORT REFERENCE CODE		A (50')	B-3
PARALLEL TAXIWAY (WIDTH)			
TAXIWAY LIGHTING			NONE

NOTE: AIRPORT MIDDLE MARKER TO BE REMOVED; MIDDLE MARKER COORDINATES:
LAT: 43°11'22.7" LONG: 71°29'36.9" W. REC.011 12 EMAIL FROM CITY.




















AIRPORT BUILDINGS / FACILITIES	
NUMBER	NAME
1	TERMINAL BUILDING
2	HANGAR #1
3	HANGAR #2
4	HANGAR #3
5	HANGAR #4
6	NH STATE POLICE HANGAR
7 & 8	T-HANGARS
9	CIVIL AIR PATROL
10	45 AIRPORT ROAD
11	PUBLIC AUTOMOBILE PARKING
12	NH ARMY NATIONAL GUARD BUILDINGS / HANGAR / RAMP
13	NH ARMY NATIONAL GUARD - FUEL TRUCK BUILDING
14	ENEMY NEUTRAL TROOPMENT (ENET) BUILDING
15	NH ARMY NATIONAL GUARD BUILDINGS
16	TRANSIENT / TERMINAL RAMP - TRANSIENT AIRCRAFT PARKING
17	SOUTH RAMP - BASED AIRCRAFT PARKING
18	T-HANGAR
19	RAPI
20	VASI
21	GUIDE SLOPE ANTENNA
22	MALER
23	LOCALIZER ANTENNA

EXISTING AIRPORT DATA	
ITEM	EXISTING
AIRPORT ELEVATION (U.S.G.S. - M.S.L.)	341.4'
AIRPORT REFERENCE POINT (A/RP)	LAT. 44° 52' 12.336527" LONG. W 71° 20' 06.882624"
MEAN MAX TEMPERATURE HOTTEST MONTH	87° F
AVG. DISTANCE FROM CITY OF CONCORD	1.7 MILES/ROAD
LAND OWNED (ACRES)/AIRPORT AREA FEE	2 MILES E
AIRPORT AREA REQUIREMENTS (ACRES)	887 (800.0 FORM)
OWNER	EX
OPERATIONAL ROLE (N/A/S)	CITY OF CONCORD
MAIL DECLARATION (DATE)	0A
AIRPORT REFERENCE CODE/AIRPORT DESIGN	13.44' W (2005)
GOAL	B-II

PLANS UPDATED BASED ON 2006 MASTER PLAN,
AS PRODUCED BY HOYLE TANNER ASSOCIATES MAY 2006,
150 Dow Street - Manchester, NH 03101-1227

SOURCE: CITY OF CONCORD

EXISTING LEGEND	
	ITEM
	BUILDINGS ON AIRPORT PROPERTY
	BUILDINGS OFF AIRPORT PROPERTY
	DEVELOPMENT ZONES (SEE NOTE 1)
	CONSERVATION ZONES (SEE NOTE 1)
	AIRPORT PROPERTY LINE
	TAXWAY OBJECT FREE AREA
	RUNWAY OBJECT FREE AREA
	RUNWAY SAFETY AREA
	RUNWAY PROTECTION ZONE
	FENCELINE
	TREELINE
	LOCALIZER CRITICAL AREA
	GLIDESLOPE CRITICAL AREA
	AIRCRAFT TIE-DOWN
	VOR CHECKPOINT / COMPASS ROSE
	AIRPORT REFERENCE POINT (ARP)
	EXISTING EASEMENTS

NOTES:

1. A CONSERVATION MANAGEMENT AGREEMENT (CMA) BETWEEN THE CITY OF CONCORD, THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION, THE U.S. FISH AND WILDLIFE SERVICE, AND THE NEW HAMPSHIRE DEPARTMENT OF REVENUE WAS CREATED IN 2000 FOR THE PURPOSE OF MANAGING AIRPORT LANDS THAT PROVIDE AND SUPPORT A CRITICAL HABITAT FOR THE RARE BLUE BUTTERFLY, FEBRUARY AND MATELIST LISTED ENDANGERED SPECIES, TO PROTECT THE RARE BLUE BUTTERFLY AND ITS HABITAT, CONSERVATION AREA ZONES WERE DESIGNATED FOR THE AIRPORT AND ARE IDENTIFIED HERE ON THE EXISTING AIRPORT LAYOUT PLAN.
2. SURFACE MAINTENANCE AGREEMENT TO THE CMA ALLOWS THE CITY TO PERFORM MAINTENANCE ACTIVITIES ON THE PAVEMENT PLUS 20' OFF THE PAVEMENT EDGE.

PROJECT DESIGNER

1)	CONCORD MUNICIPAL AIRPORT AIRPORT LAYOUT PLAN UPDATE
----	---

REVISIONS	38
-----------	----

PROJ. #	1
FILE #	1
GRANT	
	0

AIRPORT BUILDINGS / FACILITIES	
NUMBER	NAME
1	TERMINAL BUILDING
2	HANGAR #1
3	HANGAR #2
4	HANGAR #3
5	HANGAR #4
6	STATE POLICE
7 & 8	T-HANGARS
9	CIVIL AIR PATROL
10	43 AIRPORT ROAD
11	PUBLIC AUTOMOBILE PARKING
12	NH ARMY NATIONAL GUARD BUILDINGS / HANGAR / RAMP
13	NH ARMY NATIONAL GUARD FUEL TRUCK BUILDING
14	SNOW REMOVAL EQUIPMENT (SRE) BUILDINGS
15	NH ARMY NATIONAL GUARD BUILDINGS
16	TRANSIENT / TERMINAL RAMP - TRANSIENT AIRCRAFT PARKING
17	SOUTH RAMP - BASED AIRCRAFT PARKING
18	Y-HANGAR
19	PRECISION APPROACH PATH INDICATOR (PAPI)

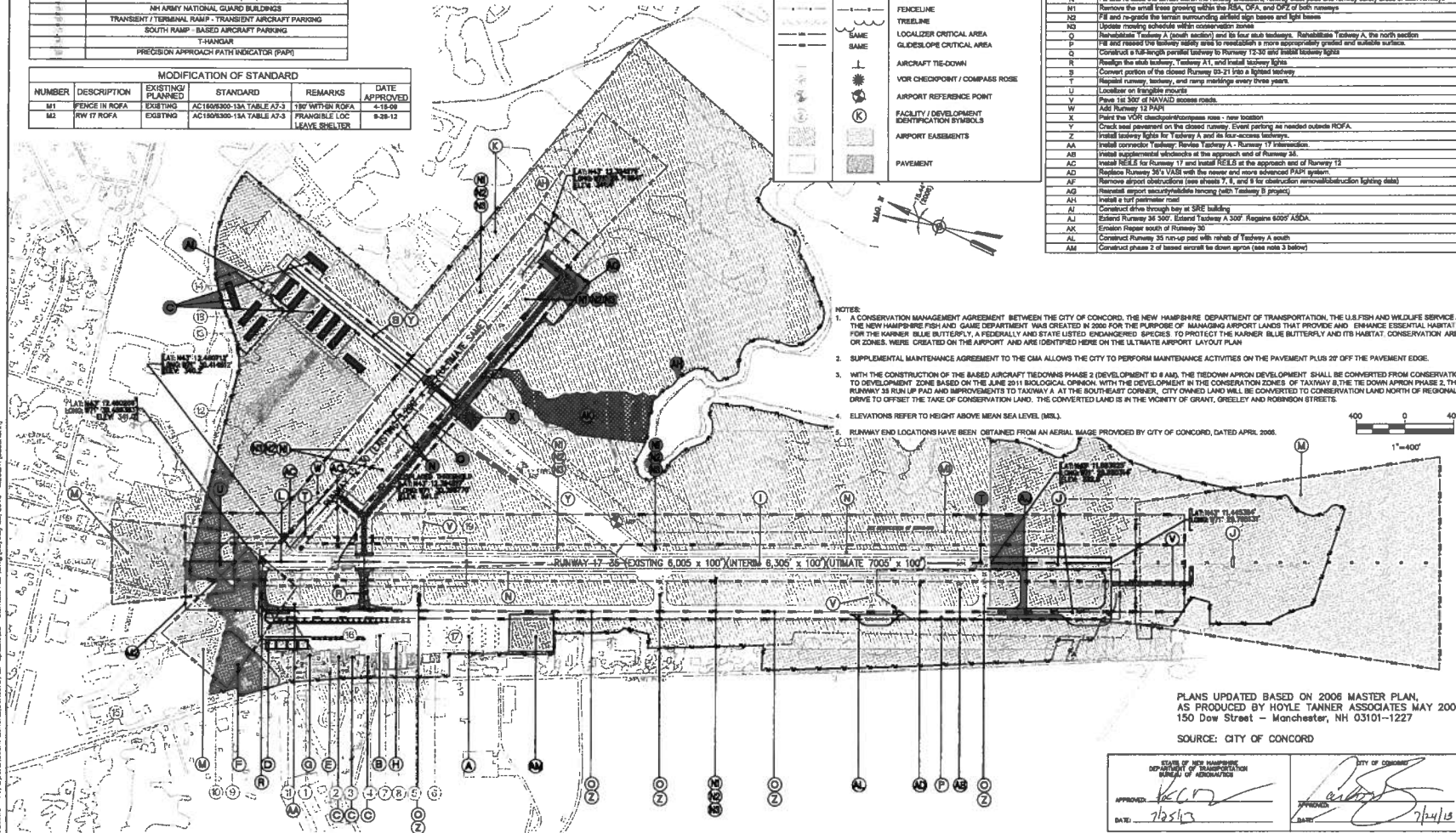
AIRPORT DATA	
ITEM	ULTIMATE
AIRPORT ELEVATION (U.S. G.S. - M.S.L.)	541.4' RUNWAY 30
AIRPORT REFERENCE POINT (ARP)	LAT. 44° 3' 12" N LONG. 71° 30' 4.7354" W
MEAN MAX. TEMPERATURE HOTTEST MONTH	83°F
NAVIGATIONAL AIDS	LS / GPS / HDB / VOR
DISTANCE FROM CITY OF CONCORD	2 MILES E
LAND OWNED (ACRES) / AIRPORT AREA PER	867 (60.15 FORM)
AIRPORT AREA EASEMENTS (ACRES)	84
OWNER	CITY OF CONCORD
OPERATIONAL ROLE (NPAIS)	GA
MAJOR OCCUPATION (DATE)	18.44" W (2008)
AIRPORT REFERENCE CODE / AIRPORT DESIGN CODE	B-4

MODIFICATION OF STANDARD				
NUMBER	DESCRIPTION	EXISTING / PLANNED	STANDARD	REMARKS
M1	FENCE IN ROFA	EXISTING	AC1608300-13A TABLE A7-3	18' WITHIN ROFA
M2	RW 17 ROFA	EXISTING	AC1608300-13A TABLE A7-3	FRANGIBLE LOC LEAVE SHELTER

ULTIMATE LEGEND	
EXISTING	ULTIMATE

Development	Proposed Airport Development
A	Rehabilitate based aircraft storage ramp
B	Rehabilitate transient aircraft storage ramp
C	Construct based aircraft storage hangars and rehabilitate or replace hangars 1, 2, and 3
D	Expand transient aircraft storage ramp with concrete parking intended to accommodate larger jet aircraft such as the occasional use by Boeing 727's
E	Expand and improve the existing automobile parking lot located in front of the terminal building creating access from both Airport Road and Regional Drive
F	Create a jet parking lot for over/under automobile rental and event parking
G	Demolish and construct a new 8,000 square foot terminal facility in the location of the existing facility (see terminal area development plan)
H	Install an additional 18,000 gallon fuel tank during rehabilitation of the based or transient aircraft ramp
I	Rehabilitate Runway 12-30 and remove 50-foot shoulders
J	Extend Runway 17-35 by 700 feet on the 35 and relocate the approach light system (the MALSR, ILS, Glideslope Antenna, and the 300' runway end lights) to the new runway end
K	Install Lighted Medicine
L	Provide better marking, signage, lighting and overall maintenance at the intersections of Runway 17 and 12
M	Acquire property or obtain easements within the RFA, SFA, and ultimately 30
N	Fill and re-grade the terrain within the runway shoulders, runway base pads and runway safety areas of both runways
O	Remove the small trees growing within the RFA, OPA, and OPA of both runways
P	Fill and re-grade the terrain surrounding selected sign bases and light bases
Q	Rehabilitate Taxiway A (south section) and its four sub taxiways
R	Rehabilitate Taxiway A, the north section
S	Convert portion of the closed runway 08-21 into a lighted taxiway
T	Rehabilitate taxiway, and new roadways every three years
U	Localizer on frangible mounts
V	Phase 1st 300' of NAVD83 access road
W	Add Runway 12-30
X	Place the VOR checkpoint/compass rose - new location
Y	Crack seal pavement on the closed runway. Event parking as needed outside ROFA
Z	Install taxiway lights for Taxiway A and its four sub-taxiways
AA	Install contractor Taxiway: Runway A - Runway 17 intersection
AB	Install supplemental windbreaks at the approach end of Runway 30
AC	Install REELS for Runway 11 and install REELS at the approach end of Runway 15
AD	Rephase Runway 30's VASI with the newer and more advanced PAPI system
AE	Remove airport obstructions (see sheets 7, 8, and 9 for obstruction removal/obstruction lighting data)
AF	Rephase runway windbreaks along both Taxiway B property
AG	Install a top perimeter road
AH	Construct drive through bay at SRE building
AI	Extend Runway 30 500' Extend Taxiway A 300' Re-phase 6000' ASDR
AJ	Extend Runway 30 south of Runway 30
AK	Construct Runway 35 run-up pad with rehab of Taxiway A south
AL	Construct phase 2 of based aircraft tie down apron (see note 3 below)

- NOTES:
- A CONSERVATION MANAGEMENT AGREEMENT BETWEEN THE CITY OF CONCORD, THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION, THE U.S. FISH AND WILDLIFE SERVICE AND THE NEW HAMPSHIRE FISH AND GAME DEPARTMENT WAS CREATED IN 2006 FOR THE PURPOSE OF MANAGING AIRPORT LANDS THAT PROVIDE AND ENHANCE ESSENTIAL HABITAT FOR THE KARNER BLUE BUTTERFLY, A FEDERALLY AND STATE LISTED ENDANGERED SPECIES TO PROTECT THE KARNER BLUE BUTTERFLY AND ITS HABITAT. CONSERVATION AREAS OR ZONES WERE CREATED ON THE AIRPORT AND ARE IDENTIFIED HERE ON THE ULTIMATE AIRPORT LAYOUT PLAN.
 - SUPPLEMENTAL MAINTENANCE AGREEMENT TO THE CMA ALLOWS THE CITY TO PERFORM MAINTENANCE ACTIVITIES ON THE PAVEMENT PLUS 2' OFF THE PAVEMENT EDGE.
 - WITH THE CONSTRUCTION OF THE BASED AIRCRAFT TIEDOWN PHASE 2 (DEVELOPMENT E2 & E4), THE TIEDOWN APRON DEVELOPMENT SHALL BE CONVERTED FROM CONSERVATION TO DEVELOPMENT ZONE BASED ON THE JUNE 2011 BIOLOGICAL OPINION. WITH THE CONSTRUCTION OF THE CONSERVATION ZONES OF TAXWAY B, THE TIEDOWN APRON PHASE 2, THE RUNWAY 30 RUN UP PAD AND IMPROVEMENTS TO TAXWAY A AT THE SOUTH-EAST CORNER, CITY OWNED LAND WILL BE CONVERTED TO CONSERVATION LAND NORTH OF REGIONAL DRIVE TO OFFSET THE TAKE OF CONSERVATION LAND. THE CONVERTED LAND IS IN THE VICINITY OF GRANT, GREELEY AND ROBINSON STREETS.
 - ELEVATIONS REFER TO HEIGHT ABOVE MEAN SEA LEVEL (MSL).
 - RUNWAY END LOCATIONS HAVE BEEN OBTAINED FROM AN AERIAL IMAGE PROVIDED BY CITY OF CONCORD, DATED APRIL 2008.



PLANS UPDATED BASED ON 2006 MASTER PLAN, AS PRODUCED BY HOYLE TANNER ASSOCIATES MAY 2006, 150 Dow Street - Manchester, NH 03101-1227

SOURCE: CITY OF CONCORD

APPROVED	DATE	7/24/13
CITY OF CONCORD		

PROJECT DESIGNER
JACOBS

CONCORD MUNICIPAL AIRPORT
AIRPORT LAYOUT PLAN UPDATE
ULTIMATE
AIRPORT LAYOUT PLAN

REVISIONS	DATE	DESCRIPTION
1		
2		
3		
4		
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10		

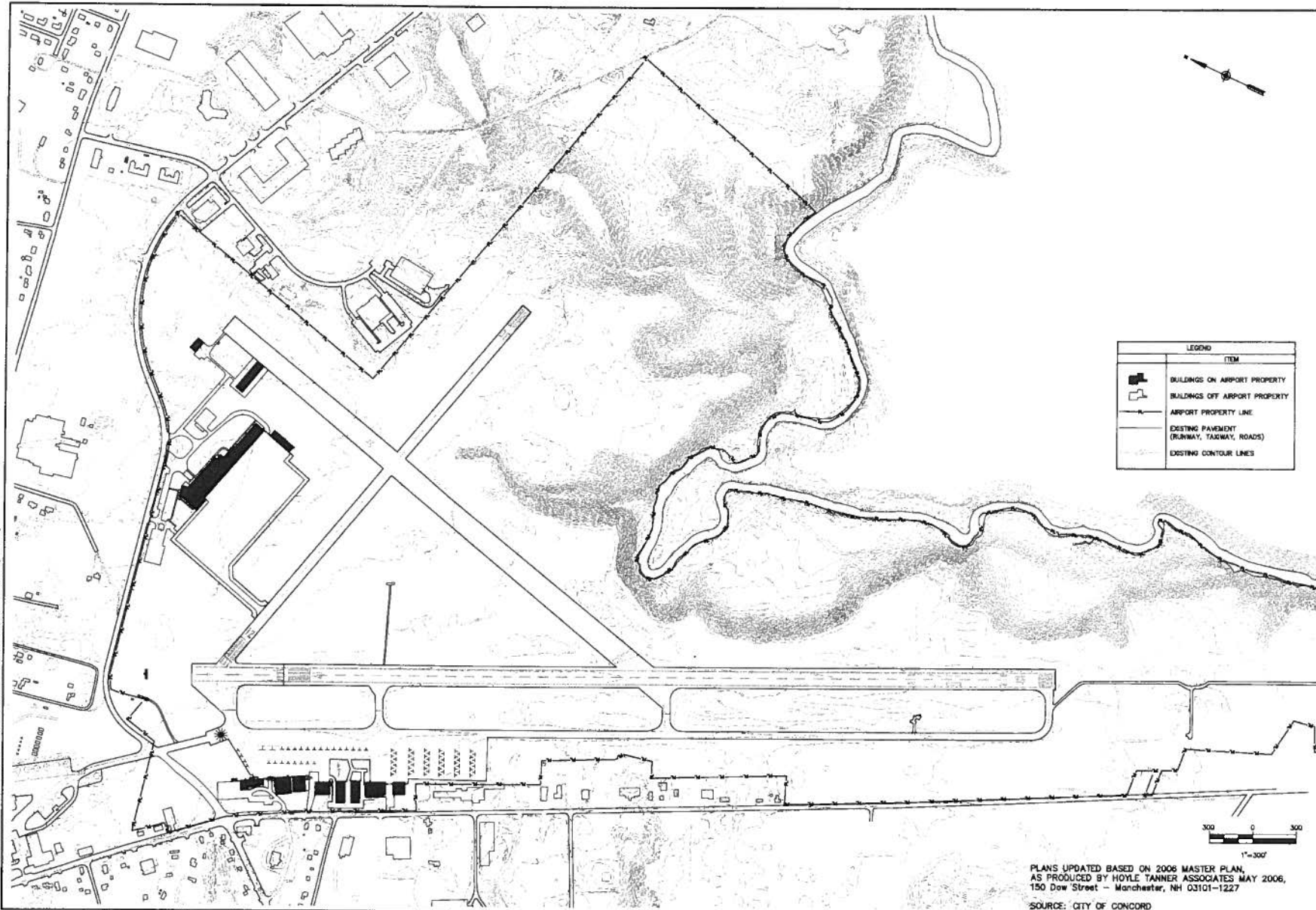
PROJ. NO. 12244000
FILE NO. 12244000-ALP
GRANT NO. 589-04-05-200

DRAWING NO.
3

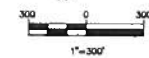
SHEET 3 OF 12

SHEET 4 OF 12

JACOBS - P:\Projects\Client Services\Concord\A\A - Topographic Map.dwg (7/10/2013 - 8:55am) [unlocked]



LEGEND	
ITEM	
BUILDINGS ON AIRPORT PROPERTY	
BUILDINGS OFF AIRPORT PROPERTY	
AIRPORT PROPERTY LINE	
EXISTING PAVEMENT (RUNWAY, TAXIWAY, ROADS)	
EXISTING CONTOUR LINES	

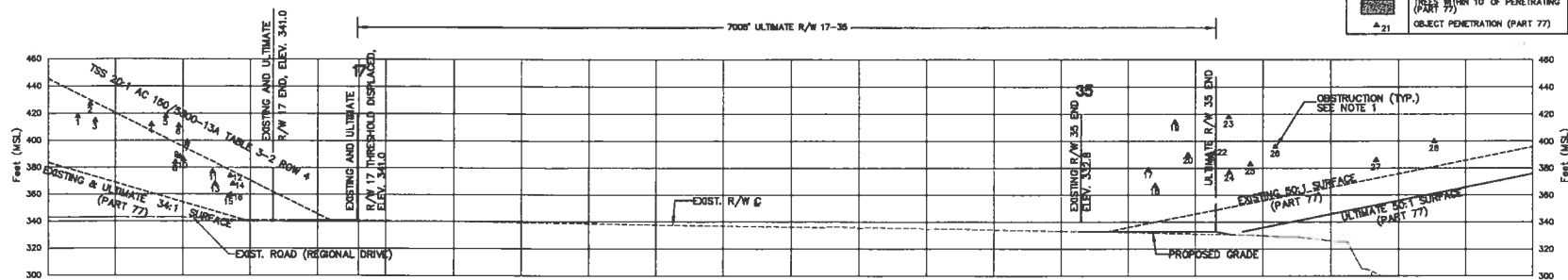


PLANS UPDATED BASED ON 2006 MASTER PLAN,
AS PRODUCED BY HOYLE TANNER ASSOCIATES MAY 2006,
150 Dow Street - Manchester, NH 03101-1227
SOURCE: CITY OF CONCORD

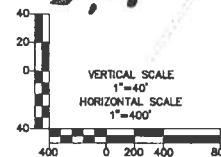
PROJECT DESIGNER		2 Executive Park Drive Bedford, NH 03110 Tel: (603) 888-7100 Fax: (603) 888-7105	
CONCORD MUNICIPAL AIRPORT AIRPORT LAYOUT PLAN UPDATE		JACOBS	
TOPOGRAPHIC PLAN		DATE: JULY 2013 SCALE: 1"=300'	
REVIEWS	DATE	SHEET 5 OF 12 DRAWING NO. 5	

[illegible][illegible]

7



PROFILE
HORIZONTAL SCALE: 1"=400'
VERTICAL SCALE: 1"=40'



LEGEND	
	ITEM
	BUILDINGS ON AIRPORT PROPERTY
	BUILDINGS OFF AIRPORT PROPERTY
	AIRPORT PROPERTY LINE
	TAXIDWAY OBJECT FREE AREA
	RUNWAY OBJECT FREE AREA
	RUNWAY SAFETY AREA
	RUNWAY PROTECTION ZONE
	FENCELINE
	TREELINE
	LOCALIZER CRITICAL AREA
	GLIDESLOPE CRITICAL AREA
	AIRPORT REFERENCE POINT (ARP)
	CURRENT PENETRATIONS (PART 77)
	TREES WITHIN 10' OF PENETRATION (PART 77)
	OBJECT PENETRATION (PART 77)

NOTE:
1. OBSTRUCTION DATA PROVIDED BY CITY OF
CONCORD FROM HTA 2011 OBSTRUCTION STUDY.
PLANS UPDATED BASED ON 2006 MASTER PLAN,
AS PRODUCED BY HOYLE TANNER ASSOCIATES MAY 2006,
150 Dow Street - Manchester, NH 03101-1227
SOURCE: CITY OF CONCORD

PROJECT DESIGNER

CONCORD MUNICIPAL AIRPORT
AIRPORT LAYOUT PLAN UPDATE

JACOBS

Executive Park Drive
Bedford, NH 03110
PHONE: (603) 888-7181
FAX: (603) 888-7185

REVISIONS

PROJ. No.: E2X49000
P.L.T. NAME:
OS-FAR PART 77
GRANT No.: 285-04-05-2000
DRAWING NO.

8

SHEET 8 OF 12

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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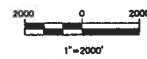
DESIGNED BY	DRAWN BY	CHECKED BY
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JACOBS - Project: Client: Concord Municipal Airport - FAR Part 77 Airspace Surfaces - July 22, 2013 - B. Gamm (Sawchuk)



FAR Part 77 Airspace Surfaces - Concord Municipal Airport											
Object Data	Runway 17	Runway 12	Runway 30	Runway 17	Runway 12	Runway 30	Runway 17	Runway 12	Runway 30	Runway 17	Runway 12
Runway Classification	Runway	Runway	Runway	Runway	Runway	Runway	Runway	Runway	Runway	Runway	Runway
Runway Length (feet)	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Runway Width (feet)	100	100	100	100	100	100	100	100	100	100	100
Runway Surface	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt
Runway Surface Material	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt	Asphalt
Runway Surface Condition	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Runway Surface Drainage	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Runway Surface Elevation (feet)	100	100	100	100	100	100	100	100	100	100	100
Runway Surface Slope (feet)	1:100	1:100	1:100	1:100	1:100	1:100	1:100	1:100	1:100	1:100	1:100
Runway Surface Area (sq ft)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Runway Surface Volume (cu ft)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Runway Surface Weight (tons)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Runway Surface Cost (\$)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Runway Surface Life (years)	10	10	10	10	10	10	10	10	10	10	10
Runway Surface Maintenance (\$/year)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Runway Surface Replacement (\$/year)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Runway Surface Total (\$/year)	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Runway Surface Benefit (\$/year)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Runway Surface Net (\$/year)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Runway Surface ROI (%)	100	100	100	100	100	100	100	100	100	100	100
Runway Surface Payback (years)	10	10	10	10	10	10	10	10	10	10	10
Runway Surface NPV (\$)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Runway Surface IRR (%)	10	10	10	10	10	10	10	10	10	10	10
Runway Surface Break-Even (years)	10	10	10	10	10	10	10	10	10	10	10
Runway Surface Sensitivity (%)	10	10	10	10	10	10	10	10	10	10	10
Runway Surface Risk (low/med/high)	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Runway Surface Recommendation	Accept	Accept	Accept	Accept	Accept	Accept	Accept	Accept	Accept	Accept	Accept

LEGEND	
[Symbol]	FAR PART 77 PENETRATION POINTS 2011
[Symbol]	ESTIMATED GROUND PENETRATION
[Symbol]	FAA OBSTRUCTION DATA 2012



PLANS UPDATED BASED ON 2006 MASTER PLAN,
AS PRODUCED BY HOYLE TANNER ASSOCIATES MAY 2006,
150 Dow Street - Manchester, NH 03101-1227
SOURCE: CITY OF CONCORD

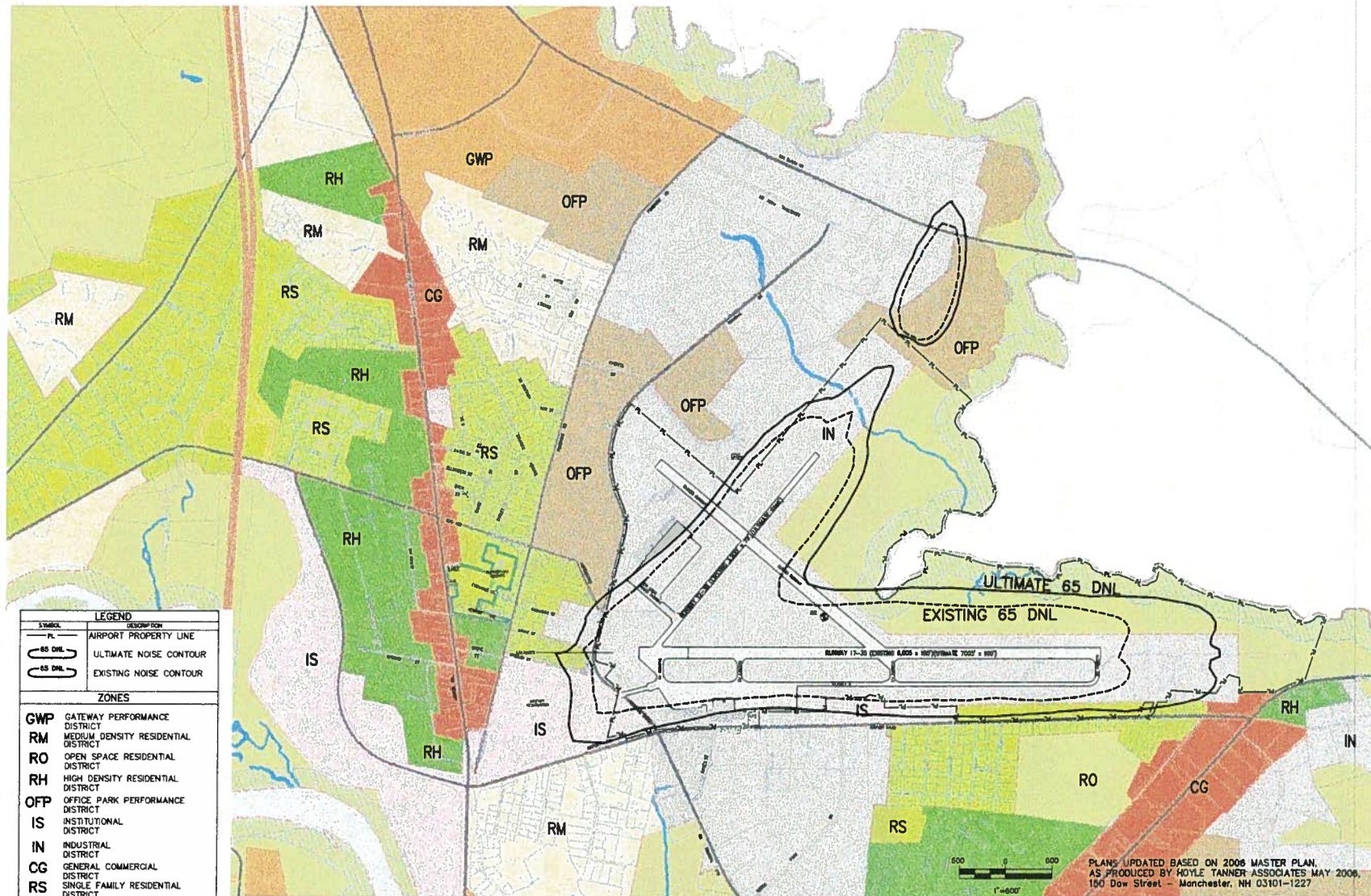
PROJECT DESIGNER
JACOBS
2 Esplanade, Suite 200
Concord, NH 03301
PHONE: (603) 686-7181
FAX: (603) 686-7181

CONCORD MUNICIPAL AIRPORT
AIRPORT LAYOUT PLAN UPDATE
FAR PART 77
AIRSPACE SURFACES
SCALE: 1"=2000'
DATE: JULY 2013

REVISIONS
DATE
DESCRIPTION
BY
APP'D

PROJECT NO.
67248000
DRAWING NO.
9
SHEET 9 OF 12

Jacobs - P:\Airport\Cham General\Concord\Map Update\10 - Land Use and Noise Planning [10 July 2013 - 8:30am (last update)]

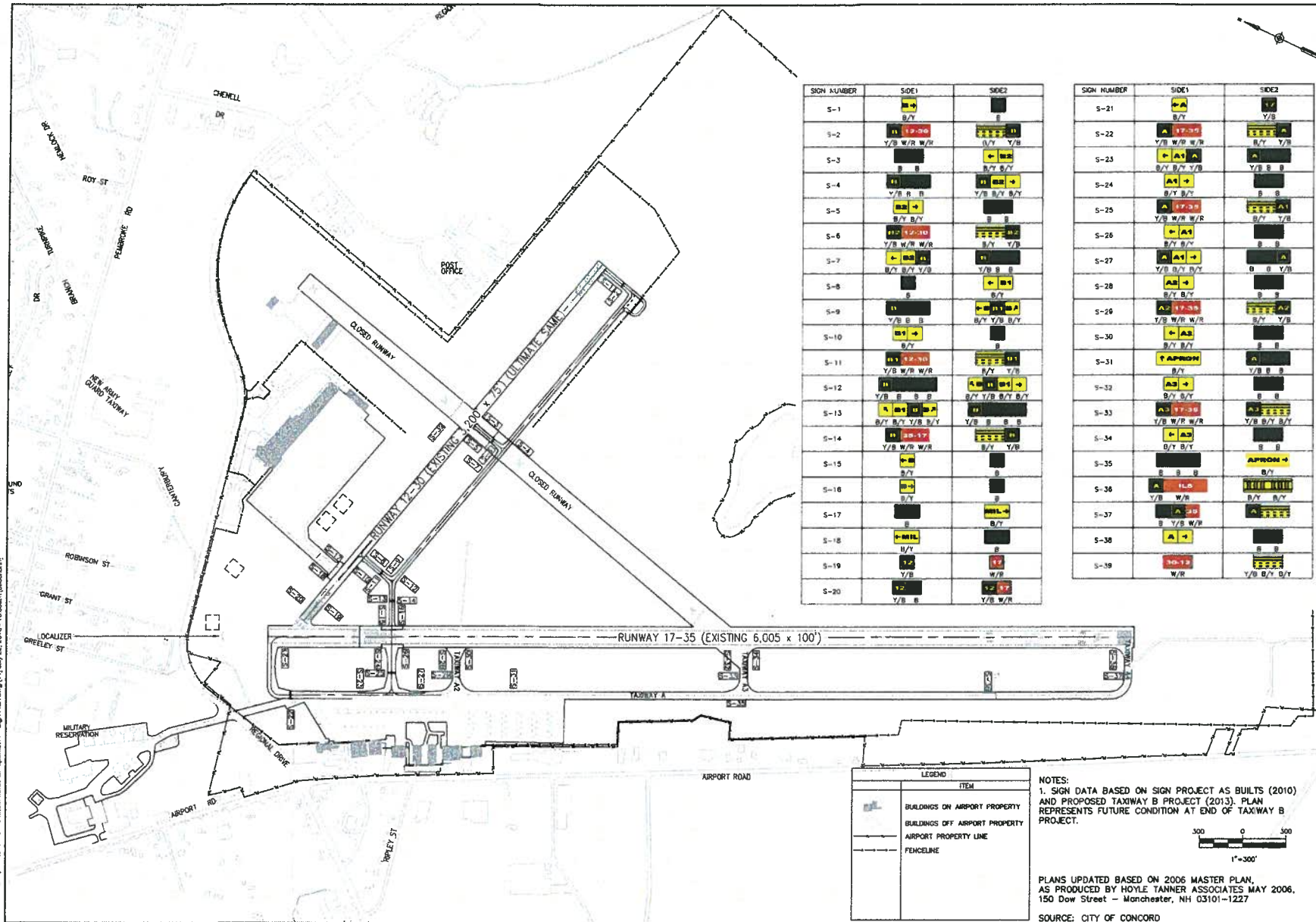


LEGEND	
PL	AIRPORT PROPERTY LINE
65 DNL	ULTIMATE NOISE CONTOUR
65 DNL	EXISTING NOISE CONTOUR
ZONES	
GWP	GATEWAY PERFORMANCE DISTRICT
RM	MEDIUM DENSITY RESIDENTIAL DISTRICT
RO	OPEN SPACE RESIDENTIAL DISTRICT
RH	HIGH DENSITY RESIDENTIAL DISTRICT
OFF	OFFICE PARK PERFORMANCE DISTRICT
IS	INSTITUTIONAL DISTRICT
IN	INDUSTRIAL DISTRICT
CG	GENERAL COMMERCIAL DISTRICT
RS	SINGLE FAMILY RESIDENTIAL DISTRICT

PLANS UPDATED BASED ON 2006 MASTER PLAN,
AS PRODUCED BY HOYLE TANNER ASSOCIATES MAY 2006,
150 Dow Street - Manchester, NH 03101-1227
SOURCE: CITY OF CONCORD

PROJECT DESIGNER		JACOBS		2 Executive Park Drive Concord, NH 03301 PHONE: (603) 444-7181 FAX: (603) 444-7182	
CONCORD MUNICIPAL AIRPORT AIRPORT LAYOUT PLAN UPDATE		LAND USE AND NOISE CONTOUR PLAN		DATE: JULY 2013	
REVISIONS		DATE		SCALE: 1"=600'	
NO	DESCRIPTION	DATE	SCALE		
DRAWING NO.		10		SHEET 10 OF 12	

Jacobs - P:\Airport\Chart General\Concord\Map Updates\1 - Sign Plan.dwg [11 July 2013 10:00am (local)]



SIGN NUMBER	SIDE1	SIDE2
S-1	11 12-30	11
S-2	11 12-30	11
S-3	11 12-30	11
S-4	11 12-30	11
S-5	11 12-30	11
S-6	11 12-30	11
S-7	11 12-30	11
S-8	11 12-30	11
S-9	11 12-30	11
S-10	11 12-30	11
S-11	11 12-30	11
S-12	11 12-30	11
S-13	11 12-30	11
S-14	11 12-30	11
S-15	11 12-30	11
S-16	11 12-30	11
S-17	11 12-30	11
S-18	11 12-30	11
S-19	11 12-30	11
S-20	11 12-30	11

SIGN NUMBER	SIDE1	SIDE2
S-21	11 12-30	11
S-22	11 12-30	11
S-23	11 12-30	11
S-24	11 12-30	11
S-25	11 12-30	11
S-26	11 12-30	11
S-27	11 12-30	11
S-28	11 12-30	11
S-29	11 12-30	11
S-30	11 12-30	11
S-31	11 12-30	11
S-32	11 12-30	11
S-33	11 12-30	11
S-34	11 12-30	11
S-35	11 12-30	11
S-36	11 12-30	11
S-37	11 12-30	11
S-38	11 12-30	11
S-39	11 12-30	11

PROJECT DESIGNER

JACOBS

2 Executive Park Drive
Concord, NH 03301
PHONE: (603) 889-7181
FAX: (603) 889-7185

CONCORD MUNICIPAL AIRPORT
AIRPORT LAYOUT PLAN UPDATE

SIGN PLAN

DATE: JULY 2013

SCALE: 1"=300'

REVISIONS

DATE

11

SHEET 11 OF 12

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
PROJECT NO.	

1. PERIMETER BOUNDARY INFORMATION IS TAKEN FROM A COMPILATION OF PLAN REFERENCES ASSOCIATED WITH OR ADJUTING THE AIRPORT PROPERTY.

2. FOR COMPLETE LIST OF PLAN REFERENCES SEE LETTER AND REPORT DATED 1/21/2010 FROM PAUL E. GENDRON, LLS, CITY OF CONCORD, TO DONNA WITTE, AIRPORTS PROGRAM SPECIALIST, FAA.

3. WITH REGARD TO GRANT AGREEMENT PROJECT NO. 7-33-0004-02, NO DEEDS HAVE BEEN FOUND IN THE RECORD BY EITHER THE CITY OF CONCORD OR THE OFFICE OF AIRPORTS DIVISION, NEW ENGLAND REGION.

PARCEL	GRANTOR	GRANTEE	INST.	ACQUISITION DATE	MCRD PAGE	AREA (ACRES)	REMARKS
1	SEN R DOLZ TAX COLLECTOR	CITY OF CONCORD, NH	FEF	03/05/1917	0434/0148		
2	SEN R DOLZ TAX COLLECTOR	CITY OF CONCORD, NH	FEF	03/05/1917	0434/0146		
3	SEN R DOLZ TAX COLLECTOR	CITY OF CONCORD, NH	FEF	03/05/1917	0434/0147		
4	SEN R DOLZ TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/02/1917	0434/0369		
5	DANIEL E. WILSON	CITY OF CONCORD, NH	FEF	08/24/1930	0434/0630		
6	WILLIAM E. HERRICK CORPORATION	CITY OF CONCORD, NH	FEF	07/11/1937	0434/0630		11.38
7	RALPH L. LOOMIS, JR.	CITY OF CONCORD, NH	FEF	06/18/1937	0434/0372		
8	RALPH L. LOOMIS, JR. & AL	CITY OF CONCORD, NH	FEF	07/18/1937	0434/0371		
9	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0263		
10	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0264		
11	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0265		
12	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0266		
13	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0267		
14	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0268		
15	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0269		
16	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0270		
17	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0271		
18	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0272		
19	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0273		
20	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0274		
21	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0275		
22	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0276		
23	JAMES B. MORRISON TAX COLLECTOR	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0277		
24	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0278		
25	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0279		
26	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0280		
27	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0281		
28	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0282		
29	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0283		
30	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0284		
31	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0285		
32	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0286		
33	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0287		
34	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0288		
35	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0289		
36	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0290		
37	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0291		
38	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0292		
39	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0293		
40	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0294		
41	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0295		
42	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0296		
43	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0297		
44	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0298		
45	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0299		
46	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0300		
47	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0301		
48	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0302		
49	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0303		
50	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0304		
51	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0305		
52	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0306		
53	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0307		
54	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0308		
55	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0309		
56	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0310		
57	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0311		
58	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0312		
59	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0313		
60	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0314		
61	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0315		
62	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0316		
63	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0317		
64	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0318		
65	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0319		
66	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0320		
67	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0321		
68	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0322		
69	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0323		
70	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0324		
71	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0325		
72	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0326		
73	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0327		
74	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0328		
75	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0329		
76	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0330		
77	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0331		
78	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0332		
79	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0333		
80	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0334		
81	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0335		
82	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0336		
83	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0337		
84	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0338		
85	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0339		
86	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0340		
87	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0341		
88	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0342		
89	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0343		
90	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0344		
91	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0345		
92	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0346		
93	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0347		
94	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0348		
95	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0349		
96	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0350		
97	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0351		
98	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0352		
99	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0353		
100	CITY OF CONCORD, NH	CITY OF CONCORD, NH	FEF	07/23/1940	0434/0354		



SHEET 12 OF 12

CITY OF CO

CONCORD MUN
PROPER
EXHIB

FILE NAME

FEDERAL AVIATION ADMINISTRATION
NEW ENGLAND REGION
AIRPORT DIVISION

APPROVED: _____
DATE: _____

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
DIVISION OF AERONAUTICS

APPROVED: _____







DATE: _____

CITY OF CONCORD
PLANNING BOARD

APPROVED: _____

APPROVED: _____

LEGEND

 PARCEL IDENTIFICATION NUMBER
 AIRPORT PROPERTY LINES *
 PARCEL INTERIOR DESIGNATION LINES
 AVIGATION EASEMENT AREAS
 FORMER AIRPORT PROPERTY
 FORMER AIRPORT PROPERTY REACQUIRED
 CONSERVATION EASEMENT AREA
 RUNWAY APPROACH CLEAR ZONES